



P2762US3 18JUN06YSC ST25.txt  
SEQUENCE LISTING

<110> GTX, Inc.  
et al.,, Steiner  
Steiner, Et al.,

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PROTEIN

<130> P-2762-US3

<160> 11

<170> PatentIn version 3.3

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gcaccttcag 420

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aatgatatac      1680
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Lys Val Ser  
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Ile Leu Gly Ser Gly Asp Phe Ala Arg Ser Leu Ala Thr  
Arg Leu Val  
35 40 45

Gly Ser Gly Phe Lys Val Val Val Gly Ser Arg Asn Pro  
Lys Arg Thr  
50 55 60

Ala Arg Leu Phe Pro Ser Ala Ala Gln Val Thr Phe Gln  
Glu Glu Ala  
65 70 75  
80

Val Ser Ser Pro Glu Val Ile Phe Val Ala Val Phe Arg  
Glu His Tyr  
85 90  
95

Ser Ser Leu Cys Ser Leu Ser Asp Gln Leu Ala Gly Lys  
Ile Leu Val  
100 105

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110

Asp	Val	Ser	Asn	Pro	Thr	Glu	Gln	Glu	His	Leu	Gln	His
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		115					120				125	

Asn	Ala	Glu	Tyr	Leu	Ala	Ser	Leu	Phe	Pro	Thr	Cys	Thr
Val	Val	Lys										
	130					135					140	

Ala	Phe	Asn	Val	Ile	Ser	Ala	Trp	Thr	Leu	Gln	Ala	Gly
Pro	Arg	Asp										
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Ala	Lys	Arg										
	175			165					170			

Ala	Val	Ser	Glu	Met	Ala	Leu	Ala	Met	Gly	Phe	Met	Pro
Val	Asp	Met										
			180					185				
190												

Gly	Ser	Leu	Ala	Ser	Ala	Trp	Glu	Val	Glu	Ala	Met	Pro
Leu	Arg	Leu										
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Leu	Pro	Ala	Trp	Lys	Val	Pro	Thr	Leu	Leu	Ala	Leu	Gly
Leu	Phe	Val										

210 P2762US3 18JUN06YSC ST25.txt 220  
215

Cys Phe Tyr Ala Tyr Asn Phe Val Arg Asp Val Leu Gln  
Pro Tyr Val  
225 230 235  
240

Gln Glu Ser Gln Asn Lys Phe Phe Lys Leu Pro Val Ser  
Val Val Asn  
255 245 250

Thr Thr Leu Pro Cys Val Ala Tyr Val Leu Leu Ser Leu  
Val Tyr Leu  
270 260 265

Pro Gly Val Leu Ala Ala Ala Leu Gln Leu Arg Arg Gly  
Thr Lys Tyr  
275 280 285

Gln Arg Phe Pro Asp Trp Leu Asp His Trp Leu Gln His  
Arg Lys Gln  
290 295 300

Ile Gly Leu Leu Ser Phe Phe Cys Ala Ala Leu His Ala  
Leu Tyr Ser  
305 310 315  
320

Phe Cys Leu Pro Leu Arg Arg Ala His Arg Tyr Asp Leu  
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Val Asn Leu 325 330

335

Ala Val Lys Gln Val Leu Ala Asn Lys Ser His Leu Trp  
Val Glu Glu 340 345

350

Val Trp Arg Met Glu Ile Tyr Leu Ser Leu Gly Val Leu  
Ala Leu Gly 355 360 365

Thr Leu Ser Leu Leu Ala Val Thr Ser Leu Pro Ser Ile  
Ala Asn Ser 370 375 380

Leu Asn Trp Arg Glu Phe Ser Phe Val Gln Ser Ser Leu  
Gly Phe Val 385 390 395

400

Ala Leu Val Leu Ser Thr Leu His Thr Leu Thr Tyr Gly  
Trp Thr Arg 405 410

415

Ala Phe Glu Glu Ser Arg Tyr Lys Phe Tyr Leu Pro Pro  
Thr Phe Thr 420 425

430

P2762US3 18JUN06YSC ST25.txt

Leu Thr Leu Leu Val Pro Cys Val Val Ile Leu Ala Lys  
Ala Leu Phe  
435 440 445

Leu Leu Pro Cys Ile Ser Arg Arg Leu Ala Arg Ile Arg  
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tgccaagggtc 120  
cccgatgagg cccccaagt gagcatcctg ggtagcgggg actttgcccg  
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Arg Leu Val 35 40 45

Gly Ser Gly Phe Lys Val Val Val Gly Ser Arg Asn Pro  
Lys Arg Thr

P2762US3 18JUN06YSC ST25.txt  
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Ala Arg Leu Phe Pro Ser Ala Ala Gln Val Thr Phe Gln  
Glu Glu Ala  
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Val Ser Ser Pro Glu Val Ile Phe Val Ala Val Phe Arg  
Glu His Tyr  
85 90  
95

Ser Ser Leu Cys Ser Leu Ser Asp Gln Leu Ala Gly Lys  
Ile Leu Val  
100 105  
110

Asp Val Ser Asn Pro Thr Glu Gln Glu His Leu Gln His  
Arg Glu Ser  
115 120 125

Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Thr Cys Thr  
Val Val Lys  
130 135 140

Ala Phe Asn Val Ile Ser Ala Trp Thr Leu Gln Ala Gly  
Pro Arg Asp  
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160

Gly Asn Gly Gln Val Pro Ile Cys Gly Asp Gln Pro Glu  
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Ala Lys Arg 165 170  
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Ala Val Ser Glu Met Ala Leu Ala Met Gly Phe Met Pro  
Val Asp Met 180 185  
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Gly Ser Leu Ala Ser Ala Trp Glu Val Glu Ala Met Pro  
Leu Arg Leu 195 200 205

Leu Pro Ala Trp Lys Val Pro Thr Leu Leu Ala Leu Gly  
Leu Phe Val 210 215 220

Cys Phe Tyr Ala Tyr Asn Phe Val Arg Asp Val Leu Gln  
Pro Tyr Val 225 230 235  
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Gln Glu Ser Gln Asn Lys Phe Phe Lys Leu Pro Val Ser  
Val Val Asn 245 250  
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Thr Thr Leu Pro Cys Val Ala Tyr Val Leu Leu Ser Leu  
Val Tyr Leu 260 265  
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P2762US3 18JUN06YSC ST25.txt  
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 Thr Lys Tyr 275 280 285

Gln Arg Phe Pro Asp Trp Leu Asp His Trp Leu Gln His  
 Arg Lys Gln 290 295 300

Ile Gly Leu Leu Ser Phe Phe Cys Ala Ala Leu His Ala  
 Leu Tyr Ser 305 310 315  
 320

Phe Cys Leu Pro Leu Arg Arg Ala His Arg Tyr Asp Leu  
 Val Asn Leu 325 330  
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Ala Val Lys Gln Val Leu Ala Asn Lys Ser His Leu Trp  
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Val Trp Arg Met Glu Ile Tyr Leu Ser Leu Gly Val Leu  
 Ala Leu Gly 355 360 365

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 Ala Asn Ser 370 375 380

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 Thr Ser Ser  
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 Gln Ser Gln  
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 415

Asp Pro His Leu Pro Ala Pro His His Gln Thr Ser Phe  
 Leu Gly Pro  
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P2762US3 18JUN06YSC ST25.txt

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tcttcccctc 240

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P2762US3 18JUN06YSC ST25.txt

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gcctctgggt 1080

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cgtcaagttc atgctgcccg ctggccacac acagggggag aaaacaagcc
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P2762US3 18JUN06YSC ST25.txt

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gaaacaagcc tctgatgaac agagggacca ggtctggacc ctctgtctcc  
cgcttccctg 2040

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caggggggtc 2580

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accataaaaag 2640  
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taccaaaaaa 2700  
aaaaaaaaaa aaac  
2714

<210> 6  
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<400> 6

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Leu Val Asp  
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Lys Val Gly  
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Ile Leu Gly Ser Gly Asp Phe Ala Arg Ser Leu Ala Thr  
Arg Leu Val  
35 40 45

Gly Ser Gly Phe Phe Val Val Val Gly Ser Arg Asn Pro  
Lys Arg Thr  
50 55 60

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Ala	Gly	Leu	Phe	Pro	Ser	Leu	Ala	Gln	Val	Thr	Phe	Gln
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65						70					75	
		80										
Val	Ser	Ser	Pro	Glu	Val	Ile	Phe	Val	Ala	Val	Phe	Arg
Glu	His	Tyr										
				85						90		
		95										
Ser	Ser	Leu	Cys	Ser	Leu	Ala	Asp	Gln	Leu	Ala	Gly	Lys
Ile	Leu	Val										
			100					105				
110												
Asp	Val	Ser	Asn	Pro	Thr	Glu	Lys	Glu	Arg	Leu	Gln	His
Arg	Gln	Ser										
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Val	Val	Lys										
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Pro	Arg	Asp										
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		160										
Gly	Asn	Arg	Gln	Val	Leu	Ile	Cys	Gly	Asp	Gln	Leu	Glu
Ala	Lys	His										
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Thr Val Ser Glu Met Ala Arg Ala Met Gly Phe Thr Pro  
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 190

Gly Ser Leu Ala Ser Ala Arg Glu Val Glu Ala Ile Pro  
 Leu Arg Leu  
 195 200 205

Leu Pro Ser Trp Lys Val Pro Thr Leu Leu Ala Leu Gly  
 Leu Ser Thr  
 210 215 220

Gln Ser Tyr Ala Tyr Asn Phe Ile Arg Asp Val Leu Gln  
 Pro Tyr Ile  
 225 230 235  
 240

Arg Lys Asp Glu Asn Lys Phe Tyr Lys Met Pro Leu Ser  
 Val Val Asn  
 245 250  
 255

Thr Thr Ile Pro Cys Val Ala Tyr Val Leu Leu Ser Leu  
 Val Tyr Leu  
 260 265  
 270

Pro Gly Val Leu Ala Ala Ala Leu Gln Leu Arg Arg Gly  
 Thr Lys Tyr  
 275 280 285

P2762US3 18JUN06YSC ST25.txt

Gln Arg Pro Asp Trp Leu Asp His Trp Leu Gln His Arg  
 Lys Gln Ile  
 290 295 300

Gly Leu Leu Ser Phe Phe Phe Ala Met Leu His Ala Leu  
 Tyr Ser Phe  
 305 310 315  
 320

Cys Leu Pro Leu Arg Arg Ser His Arg Tyr Asp Leu Val  
 Asn Leu Ala  
 325 330  
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Val Lys Gln Val Leu Ala Asn Lys Ser Arg Leu Trp Val  
 Glu Glu Glu  
 340 345  
 350

Val Trp Arg Met Glu Ile Tyr Leu Ser Leu Gly Val Leu  
 Ala Leu Gly  
 355 360 365

Met Leu Ser Leu Leu Ala Val Thr Ser Ile Pro Ser Ile  
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 370 375 380

Leu Asn Trp Lys Glu Phe Ser Phe Val Gln Ser Thr Leu  
 Gly Phe Val  
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400

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P2762US3 18JUN06YSC ST25.txt

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cagagaagaa catgccgcaa gacttgccgg aaaactgatt ggccggacag  
gccgcgtcgt 19680

gcacgcagca ccttgcgtcg gtgttggaga tctgcaccac atttcggccc  
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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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ccatggggcgt ttggcagcag tgcttggagg agtgcaacct caaggagctg  
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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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P2762US3 18JUN06YSC ST25.txt

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